UZ-23-	2004
Form PTO-1595	U.S. Department of Commerce
Docket No. HSJ9-2003-0254US1	
To the Hon. Commissioner of Pater. 102675	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Hardayal Singh Gill 2. 11. 54	Name: Hitachi Global Storage Technologies Netherlands B.V.
Additional name of conveying party attached? ☐ Yes ☑ No	
3. Nature of conveyance:	1
☑ Assignment	Street Address: Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands
Execution Date: February 5, 2004	Additional name(s) and address(es) attached? ☐ Yes ☑ No ☐ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩
4. Application number(s) or patent numbers:	177 53 8 "S"
If this document is being filed together with a new application,	
if this document is being fried together with a new application,	the execution date of the application is.
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers atta  5. Name and address party to whom correspondence concerning	<b>Y</b>
document should be mailed:	6. Total number of applications and patents involved: 1
Name: Larry B. Guernsey IPLO Intellectual Property Law Offices	7. Total fee (37 CFR 3.41) \$40.00
• •	☑ Enclosed
Street Address: 1901 S. Bascom Ave., Suite 660 City: Campbell State: California ZIP: 95008	F7 A 11
	Any discrepancy or overpayment is authorized to be charged to deposit account
	8. Deposit Account number: 08-3240
	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information original document.	on is true and correct and any attached copy is a true copy of the
Larry B. Guernsey Lang B. Llu	February 11, 2004
Name of Person Signing Signate  Total number of pages including	2 4.0
. Total number of pages including	cover sheet, attachments, and document: 2
/19/2004 HMARZI1 00000052 10777538	
FC:8021 40.00 OP	

PATENT REEL: 014988 FRAME: 0729

Docket No.: HSJ9-2003-0254US1

## **ASSIGNMENT**

Whereas, I, Hardayal Singh Gill of Palo Alto, County of Santa	Clara and State of
California have invented certain improvements in MAGNETIC HEA	D HAVING SELF-
PINNED CPP SENSOR WITH MULTILAYER PINNED LAYER	R and executed,
respectively, a United States patent application therefor on 2/5	, 2004,
	<del></del>

Whereas, HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V., having a place of business at Locatellikade 1, Parnassustoren 1076 AZ Amsterdam, The Netherlands, (hereinafter called HITACHI), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and I hereby agree that HITACHI may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

Signed and sealed
At San Jose

on 215, 2004

RECORDED: 02/11/2004

HARDAYAL SINGH GILL

PATENT REËL: 014988 FRAME: 0730